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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Applicant:**

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Arnold J. GOLDMAN, et al

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Serial No.: 09/746,014

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Filed: December 26, 2000

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Group Art Unit: 2128

## For: Model Predictive Control (MPC) System Using Doe Based Model

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Attorney Docket: 00/21288

Examiner: Fred O. Ferris III

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**Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450**

## **RESPONSE**

Sir:

This is in response to the United States Patent and Trademark Final Office Action mailed October 28, 2005, and the Advisory Action dated February 27, 2006, which response is being made on or before March 28, 2006, and for which a two month extension fee is due, and enclosed herewith. Applicant submits this response for entry into the record, in which:

**Amendments to the claims begin on page 2.**

**Remarks begin on page 8.**

Please amend the above-identified patent application as follows: